

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: ) Group Art Unit: 2822  
Koichiro TANAKA et al. ) Examiner: Mary A. Wilczewski  
Serial No. 10/749,505 )  
Filed: January 2, 2004 )  
For: LASER IRRADIATION METHOD, )  
METHOD FOR MANUFACTURING )  
SEMICONDUCTOR DEVICE, AND )  
LASER IRRADIATION SYSTEM )

**RECEIVED**  
OCT 31 2007  
OFFICE OF PETITIONS

**INFORMATION DISCLOSURE STATEMENT**

Honorable Commissioner of Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

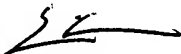
In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing information known to Applicant and requests that this information be made of record in the above identified application. Copies are submitted herewith in accordance with 37 C.F.R. 1.98(a).

Copies of U.S. patents and U.S. publications are not enclosed in accordance with the Notice published in the Official Gazette on August 5, 2003 entitled *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003*, which waives the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. publication.

This Information Disclosure Statement is being submitted with an RCE. Therefore, no fee is required.

The Commissioner is hereby authorized to charge fees under 37 C.F.R. §§1.16, 1.17, 1.20(a), 1.20(b), 1.20(c), and 1.20(d) (except the Issue Fee) which may be required now or hereafter, or credit any overpayment to Deposit Account No. 50-2280.

Respectfully submitted,

---

Eric J. Robinson  
Reg. No. 38,285

Robinson Intellectual Property Law Office, P.C.  
PMB 955  
21010 Southbank Street  
Potomac Falls, Virginia 20165  
(571) 434-6789

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/749,505
				Filing Date	January 2, 2004
				First Named Inventor	Koichiro TANAKA et al.
				Art Unit	2822
				Examiner Name	Mary A. Wilczewski
Sheet	1	of	4	Attorney Docket Number	0756-7244

RECEIVED

OCT 31 2007

OFFICE OF PETITIONS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-RE.33947	06-02-1992	SHINOHARA.H	
		US-5815494	09-29-1998	YAMAZAKI.S et al.	
		US-5932118	08-03-1999	YAMAMOTO.Y et al.	
		US-5893990	04-13-1999	TANAKA.K	
		US-5963823	10-05-1999	YAMAZAKI.S et al.	
		US-6008101	12-28-1999	TANAKA.K et al.	
		US-6087277	07-11-2000	SHIH.C et al.	
		US-6104535	08-15-2000	TANAKA.K	
		US-6249385	06-19-2001	YAMAZAKI.S et al.	
		US-6300176	10-09-2001	ZHANG.H et al.	
		US-6304385	10-16-2001	TANAKA.K	
		US-6168968	01-02-2001	UMEMOTO.A et al.	
		US-6373870	04-16-2002	YAMAZAKI.S et al.	
		US-2001/0052513	12-20-2001	TANABE.H	
		US-5970368	10-19-1999	SASAKI.H et al.	
		US-2001/0019861	09-06-2001	YAMAZAKI.S et al.	
		US-6172820	01-09-2001	KUWAHARA.T	
		US-6468842	10-22-2002	YAMAZAKI.S et al.	
		US-6528397	03-04-2003	TAKETOMI.Y et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		JP-09-321311	12-12-1997			Abst.
		JP-2001-156017	06-08-2001			Full
		JP-11-354463	12-24-1999			Abst.
		JP-09-270393	10-14-1997			Abst.
		JP-2001-074950	03-23-2001			Abst.
		JP-11-212021	08-06-1999			Abst.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)		Application Number	10/749,505
		Filing Date	January 2, 2004
		First Named Inventor	Koichiro TANAKA et al.
		Art Unit	2822
		Examiner Name	Mary A. Wilczewski
Sheet	2	of	4
		Attorney Docket Number	0756-7244

RECEIVED

OCT 31 2007

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-6548370	04-15-2003	KASAHARA.K et al.	
		US-6133076	10-17-2000	YAMAZAKI.S et al.	
		US-6341042	01-22-2002	MATSUNAKA.S et al.	
		US-6117752	09-12-2000	SUZUKI.K	
		US-6482722	11-19-2002	KUNII.M et al.	
		US-6187088	02-13-2001	OKUMURA.H	
		US-6396560	05-28-2002	NOGUCHI.T et al.	
		US-6577380	06-10-2003	SPOSILI.R et al.	
		US-6642091	11-04-2003	TANABE.H	
		US-6573163	06-03-2003	VOUTSAS.A et al.	
		US-6744008	06-01-2004	KASAHARA.K et al.	
		US-6524977	02-25-2003	YAMAZAKI.S et al.	
		US-4692191	09-08-1987	MAEDA.S et al.	
		US-2002/0045288	04-18-2002	YAMAZAKI.S et al.	
		US-6861614	03-01-2005	TANABE.H et al.	
		US-2001/0001745	05-24-2001	IM.J et al.	
		US-6563077	05-13-2003	IM.J	
		US-6635555	10-21-2003	VOUTSAS.A	
		US-5084888	01-28-1992	TAJIMA.H et al.	

OFFICE OF PETITIONS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
		JP-2000-058478	02-25-2000			Abst.
		JP-01-260812	10-18-1989			Abst.
		JP-63-203292	08-23-1988			Abst.
		JP-05-082452	04-02-1993			Abst.

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/749,505
				Filing Date	January 2, 2004
				First Named Inventor	Koichiro TANAKA et al.
				Art Unit	2822
				Examiner Name	Mary A. Wilczewski
Sheet	3	of	4	Attorney Docket Number	0756-7244

RECEIVED  
31 2007

OFFICE OF PETITIONS

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
		US-5307184	04-26-1994	NISHIWAKI.S et al.	
		US-6731371	05-04-2004	SHIRAIISHI.N	
		US-2004/0266223	12-30-2004	TANAKA.K et al.	
		US-6368945	04-09-2002	IM.J	
		US-2003/0060026	03-27-2003	YAMAZAKI.S et al.	
		US-4339177	07-13-1982	MARCH.A	
		US-4789242	12-06-1988	TAKAGI.S et al.	
		US-2001/0041426	11-15-2001	IM.J	
		US-6483639	11-19-2002	FUJINOKI.A et al.	
		US-6573531	06-03-2003	IM.J et al.	
		US-6635554	10-21-2003	IM.J et al.	
		US-6555449	04-29-2003	IM.J et al.	
		US-6528758	03-04-2003	SHAFFER.W	
		US-6284564	09-04-2001	BALCH.E et al.	
		US-5134426	07-28-1992	KATAOKA.K et al.	
		US-4879451	11-07-1989	GART.M	
		US-5184236	02-02-1993	MIYASHITA.T et al.	
		US-2002/0025615	02-28-2002	YAMAZAKI.S et al.	
		US-2001/0030798	10-18-2001	FUJINOKI.A et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	7 <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				

Examiner Signature	Date Considered
-----------------------	--------------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Substitute for form 1449/PTO

(Use as many sheets as necessary)

Application Number	10/749,505
Filing Date	January 2, 2004
First Named Inventor	Koichiro TANAKA et al.
Art Unit	2822
Examiner Name	Mary A. Wilczewski
Attorney Docket Number	0756-7244

RECEIVED

~~OCT 3~~ 1 2007

## OFFICE OF PETITIONS

[illegible]

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

***If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.***